

paragraph:

B1
-- α = 56.5 (35.4) degrees per decimeter (dm) per gram per milliliter for glucose at
a wavelength of 633 (780) nanometers--

Please replace the paragraph beginning at page 5, line 5, with the following rewritten
paragraph:

B2
--Patent 5,209,231 by Cote et al. describes a non-invasive glucose sensor which utilizes a
pair of polarizers, a quarter wave plate and a motor driven polarizer which produces a constant
amplitude phase modulated beam. This beam is split into two beams, one of which passes
through the sample and the other which is employed as a reference. By phase demodulation of
the two beams, each incident on a different detector, a measure of glucose concentration in an
optical cell is determined. Measurements are proposed to be made transversely through the eye's
anterior chamber (e.g., 57 in Fig. 3). This approach suffers in sensitivity of measurement
(according to the authors) which is probably due to noise problems associated with the motor
driven phase modulator as well as other unidentified problems.--

Please replace the paragraph beginning at page 8, line 16, with the following rewritten
paragraph:

B3
--It is another object of the invention to avoid the problems in initializing a measurement
apparatus prior to making a glucose concentration measurement based on polarization rotation of